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A2
for each 1 cm x 1cm section of the electrode. Thirty units of path length may be used for the six cell pack. For example, all the current through the cells passes through an interconnect area of approximately 0.15 cm². The ratio of the interconnect area to the electrode area is approximately 0.03. Moreover, the pack has a resistance of about 9.6 ohms.

Please replace the paragraph beginning at page 4, paragraph [0016] with the following rewritten paragraph:

A3
In the figure 1 embodiment, the current flow from a first unit 100 occurs in the direction of the arrow 102. In the embodiment, a common membrane may be used, or membrane parts may be connected.

In the claims:

Please amend the claims as follows:

- A4
B
1. (Amended) A fuel cell, comprising:
a plurality of electrochemical cells, each including an electrochemical anode, an electrochemical cathode and a membrane, said plurality of electrochemical cells arranged in series such that current flows across said membranes;
a plurality of electrodes, associated with the electrochemical cells; and
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Sub C1 /
a plurality of interconnects, between two adjacent electrodes, and wherein each interconnect is at least 20 percent of an area of at least one of said electrodes.

2. (Amended) A fuel cell as in claim 1 further comprising a methanol feed part which feeds methanol to said plurality of electrochemical cells.

3. (Amended) A fuel cell as in claim 1, wherein said methanol feed part is a wicking part which feeds methanol to edges of said membranes of said electrochemical cells.

4. (Amended) A fuel cell as in claim 1, wherein said membranes are formed of a planar structure, and said interconnects are also formed of planar structures of substantially the same size as said.

5. (Amended) A fuel cell, comprising:
a plurality of membrane assemblies, arranged substantially adjacent to one another, each membrane assembly being electrochemically active to produce a voltage when an electrochemical reaction occurs;
a plurality of electrodes, in contact with said membrane

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assemblies; and

a plurality of interconnects, located between adjacent ones of said electrodes, wherein a ratio of an area of an interconnect to an area of the electrode is at least 0.2.

6. A fuel cell as in claim 5, wherein said ratio is substantially 0.2.

7. A fuel cell as in claim 5, wherein said interconnects are formed of a paste.

8. A fuel cell as in claim 7, wherein said paste includes graphite therein.

9. A fuel cell as in claim 7, wherein said paste includes graphite herein and a heat curing binder.

10. (Amended) A method of forming a fuel cell, comprising:

forming a plurality of assemblies which are substantially adjacent with one another;

coating said membranes with a catalyst layer coating;

forming interconnects of a paste with a heat curing binder

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AS
therein, which curing binder is heated during said hot pressing,
between electrodes associated with said membranes; and
hot pressing, wherein said heat curing binder is heated
during said hot pressing said electrodes to form a membrane
electrode assembly.

11. (Amended) A method as in claim 10, wherein said
interconnects are formed of a paste with a graphite material
therein.

12. A method as in claim 10, wherein said interconnects
are formed of a paste with a heat curing binder therein, which
curing binder is heated during said hot pressing.

13. A method as in claim 10, further comprising applying
said interconnect paste using a hypodermic syringe.

Please add the following new claims:

96
Sub 27
14. (New) A fuel cell as in claim 1, wherein said
electrochemical cells are arranged such that an anode of one of
said electrochemical cells contacts a cathode of another of said
electrochemical cells.

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15. (New) A fuel cell as in claim 14, wherein said electrochemical cells produce a voltage which travels along a length of the cell.

16. (New) A fuel cell as in claim 14, wherein said electrochemical cells produce a voltage which travels along a width of the cell.

17. (New) A fuel cell as in claim 5, wherein said membrane assemblies each include an anode part, a cathode part, and a membrane part, between said anode and notecards.

18. (New) A fuel cell as in claim 17, wherein said membrane assemblies produce a voltage which travels along a length of the membrane assemblies.

19. (New) A fuel cell as in claim 17, wherein said membrane assemblies produce a voltage which travels along a width of the membrane assemblies.